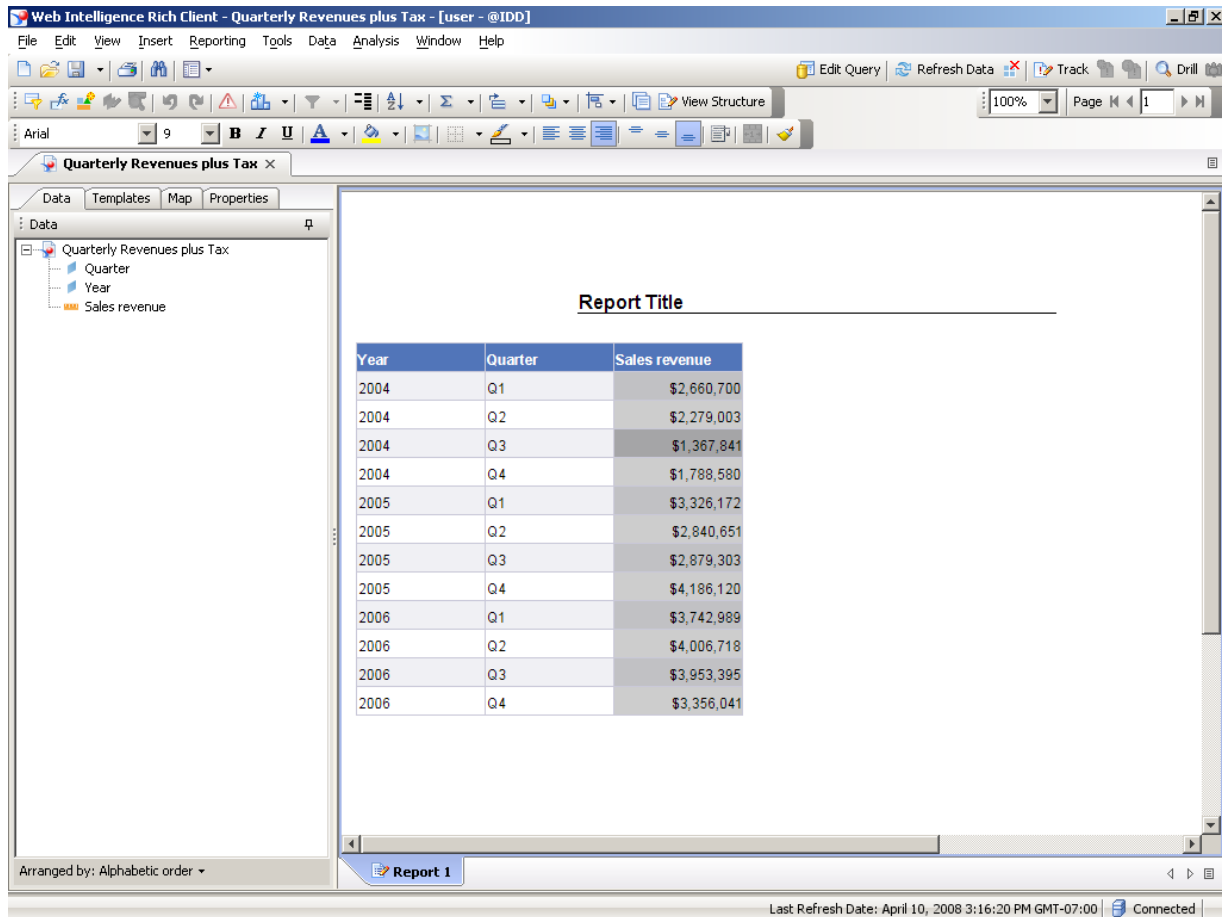


Creating a new variable in a report

Procedure

1. Start the transaction using the menu path or transaction code.

Web Intelligence Rich Client



The screenshot shows the Business Objects Web Intelligence Rich Client interface. The title bar reads 'Web Intelligence Rich Client - Quarterly Revenues plus Tax - [user - @IDD]'. The menu bar includes File, Edit, View, Insert, Reporting, Tools, Data, Analysis, Window, and Help. The toolbar contains icons for Edit Query, Refresh Data, Track, and Drill. The main window displays a report titled 'Quarterly Revenues plus Tax'. On the left, a Data Explorer pane shows a hierarchy: Quarterly Revenues plus Tax > Quarter > Year > Sales revenue. The main report area shows a table with the following data:

Year	Quarter	Sales revenue
2004	Q1	\$2,660,700
2004	Q2	\$2,279,003
2004	Q3	\$1,367,841
2004	Q4	\$1,788,580
2005	Q1	\$3,326,172
2005	Q2	\$2,840,651
2005	Q3	\$2,879,303
2005	Q4	\$4,186,120
2006	Q1	\$3,742,989
2006	Q2	\$4,006,718
2006	Q3	\$3,953,395
2006	Q4	\$3,356,041

The status bar at the bottom indicates 'Last Refresh Date: April 10, 2008 3:16:20 PM GMT-07:00' and 'Connected'.

2. Click an entry in the **Sales revenue column**.

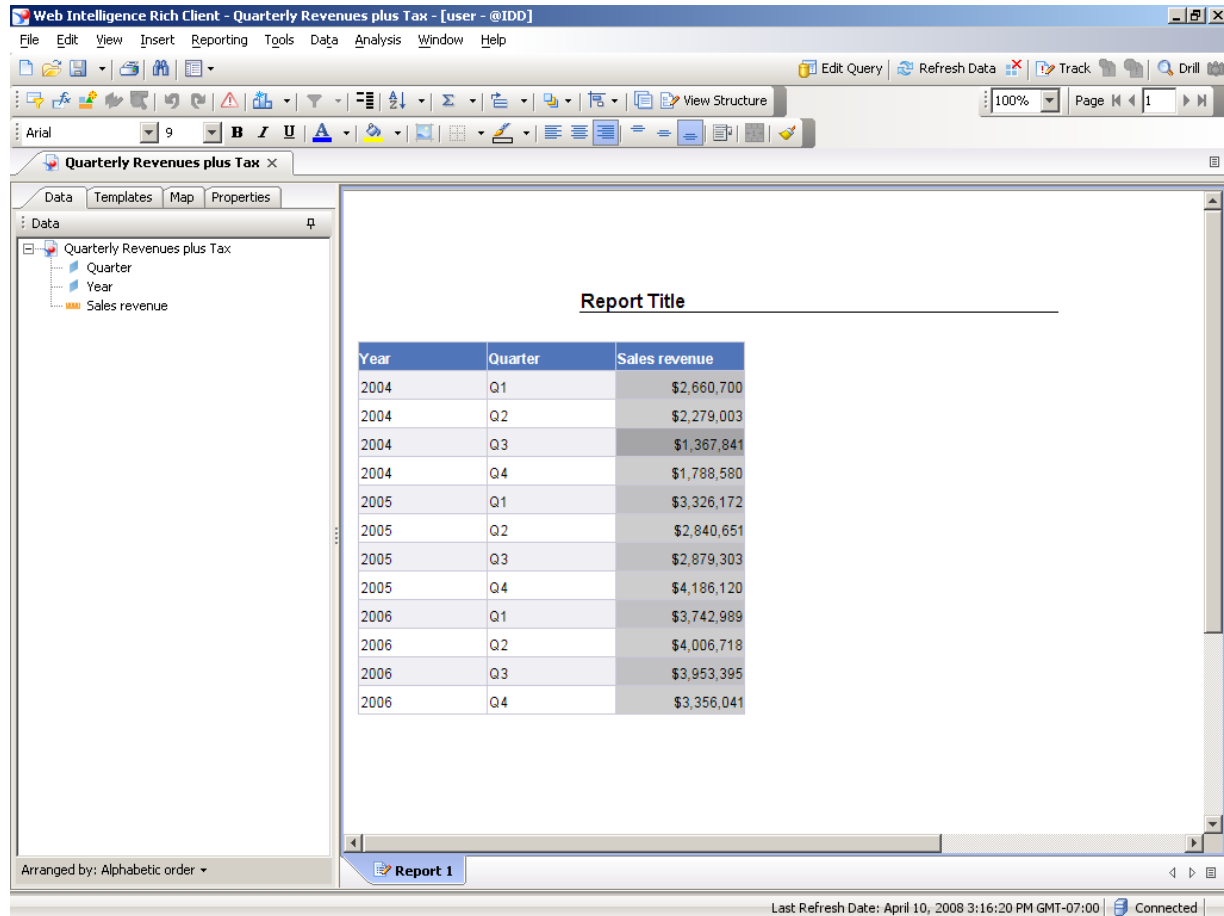
In this lesson, you want to calculate the sales tax per quarter and display the results in the report.

There is no object in the eFashion universe that receives sales tax data so you are going to create a formula to calculate that data for you.

Creating a new variable in a report

You will save the formula as a variable and use the variable to project the data in the table.

Web Intelligence Rich Client



Quarterly Revenues plus Tax

Year	Quarter	Sales revenue
2004	Q1	\$2,660,700
2004	Q2	\$2,279,003
2004	Q3	\$1,367,841
2004	Q4	\$1,788,580
2005	Q1	\$3,326,172
2005	Q2	\$2,840,651
2005	Q3	\$2,879,303
2005	Q4	\$4,186,120
2006	Q1	\$3,742,989
2006	Q2	\$4,006,718
2006	Q3	\$3,953,395
2006	Q4	\$3,356,041

Report 1

Last Refresh Date: April 10, 2008 3:16:20 PM GMT-07:00 | Connected

- Click **Insert** .
- Click **Insert column to the right**.
- Click the **new column header**.

This is the column where you will project the sales tax data, once the formula is created.

Creating a new variable in a report

Now you are going to give the column header a name.

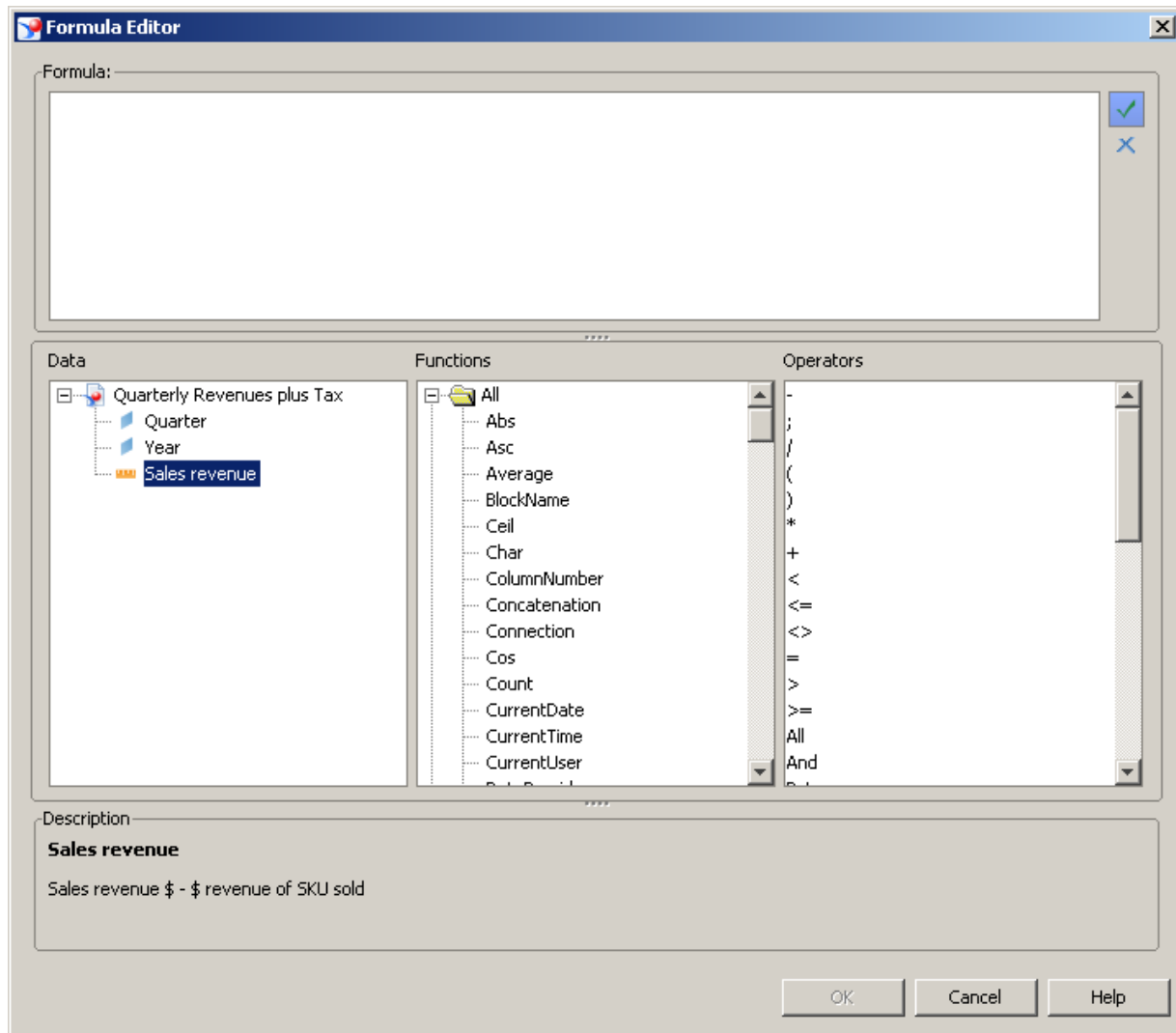
6. Click the **Properties** tab.
7. As required, complete/review the following fields:

Field	R/O/C	Description
	R	Example: Tax

8. Click an entry in the **Tax column**.
9. Click the **Show/Hide Formula Toolbar**. .
10. Click **Formula Editor** .

Creating a new variable in a report

Formula Editor



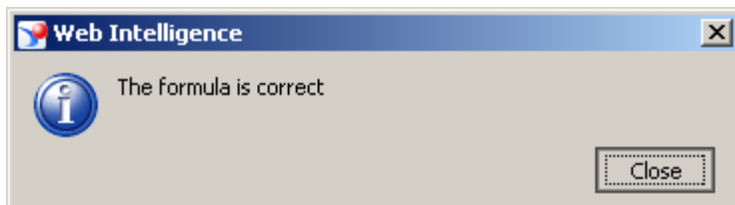
11. Double-click **Sales revenue**.
12. Double-click *****.
13. Click after the **Formula**.
14. As required, complete/review the following fields:

Creating a new variable in a report

Field	R/O/C	Description
	R	Example: 0.175

15. Click **Verify** .

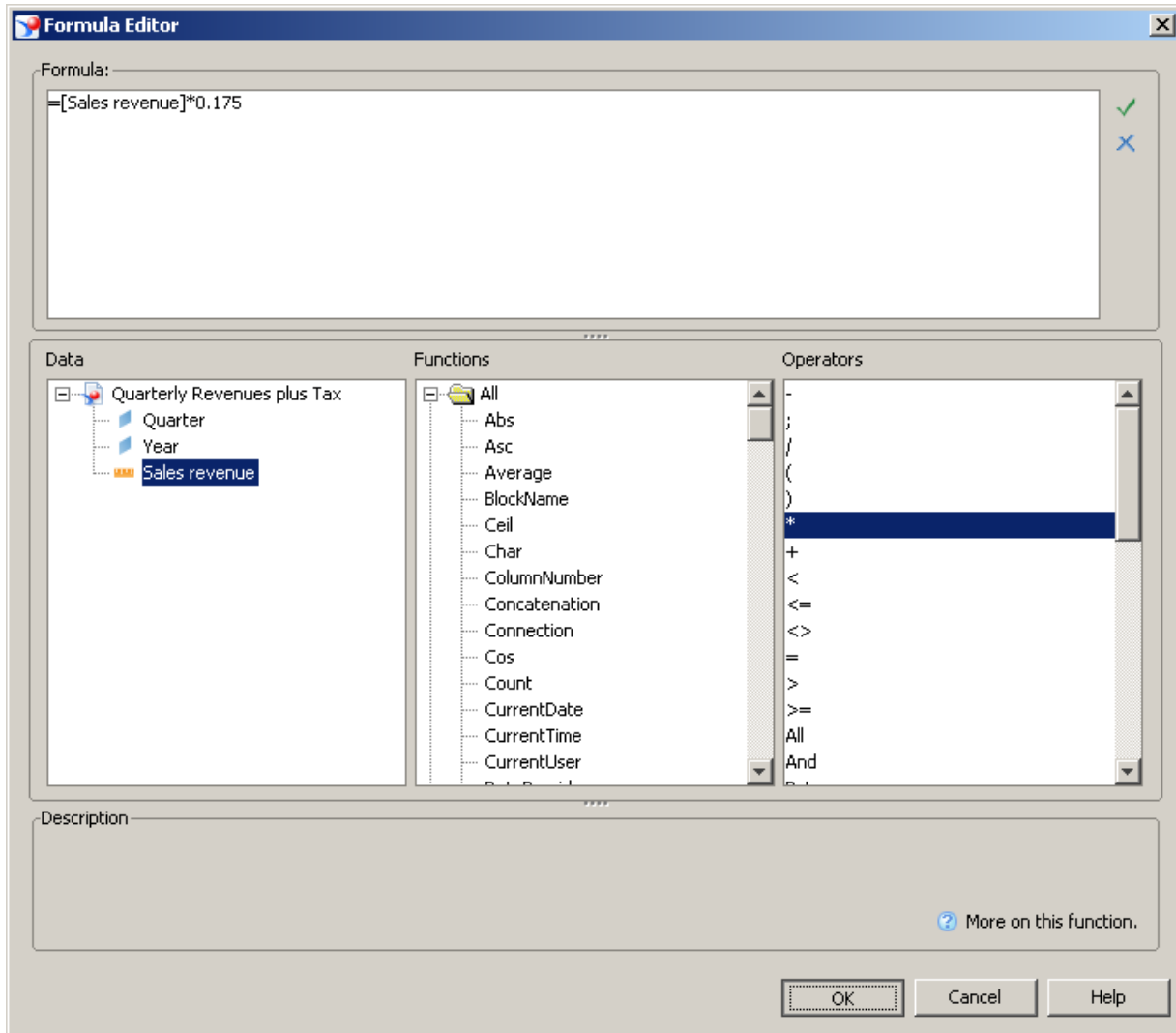
Web Intelligence



16. Click **Close**.

Creating a new variable in a report

Formula Editor



Formula Editor

Formula:

= [Sales revenue]*0.175

Data

- Quarterly Revenues plus Tax
 - Quarter
 - Year
 - Sales revenue

Functions

- All
- Abs
- Asc
- Average
- BlockName
- Ceil
- Char
- ColumnNumber
- Concatenation
- Connection
- Cos
- Count
- CurrentDate
- CurrentTime
- CurrentUser

Operators

-
- ;
- /
- (
-)
- *
- +
- <
- <=
- <>
- =
- >
- >=
- All
- And

Description

[More on this function.](#)

OK Cancel Help

17. Click **OK**.

Creating a new variable in a report

Web Intelligence Rich Client

Web Intelligence Rich Client - Quarterly Revenues plus Tax - [user - @IDD]

File Edit View Insert Reporting Tools Data Analysis Window Help

Edit Query Refresh Data Track Drill

100% Page 1

Quarterly Revenues plus Tax

Data Templates Map Properties

Properties

General

Text = [Sales revenue]...

Display

Appearance

Text Format [Arial, 9, Regular]

Background color 255, 255, 255

Background image

Borders

Merge Cells Not applicable

Number format Default

Sorts

Report Title

Year	Quarter	Sales revenue	Tax
2004	Q1	\$2,660,700	\$465,622
2004	Q2	\$2,279,003	\$398,826
2004	Q3	\$1,367,841	\$239,372
2004	Q4	\$1,788,580	\$313,002
2005	Q1	\$3,326,172	\$582,080
2005	Q2	\$2,840,651	\$497,114
2005	Q3	\$2,879,303	\$503,878
2005	Q4	\$4,186,120	\$732,571
2006	Q1	\$3,742,989	\$655,023
2006	Q2	\$4,006,718	\$701,176
2006	Q3	\$3,953,395	\$691,844
2006	Q4	\$3,356,041	\$587,307

(Name)
(Description)

Report 1

Last Refresh Date: April 10, 2008 3:16:20 PM GMT-07:00 Connected

- Click **Create Variable** .

Because you highlighted the Tax column before opening the Formula Editor, the results of the formula's calculation are automatically displayed in the selected column. Now you want to save this formula as a variable, so that you can use it other blocks and other reports in the document.

Creating a new variable in a report

Create Variable

The screenshot shows the 'Create Variable' dialog box in the Business Objects Web Intelligence Rich Client. The dialog is titled 'Create Variable' and has a 'Variable Definition' section. The 'Name' field is empty, the 'Qualification' is set to 'Measure', and the 'Formula' is '=[Sales revenue]*0.175'. The background report is titled 'Quarterly Revenues plus Tax' and shows a table with the following data:

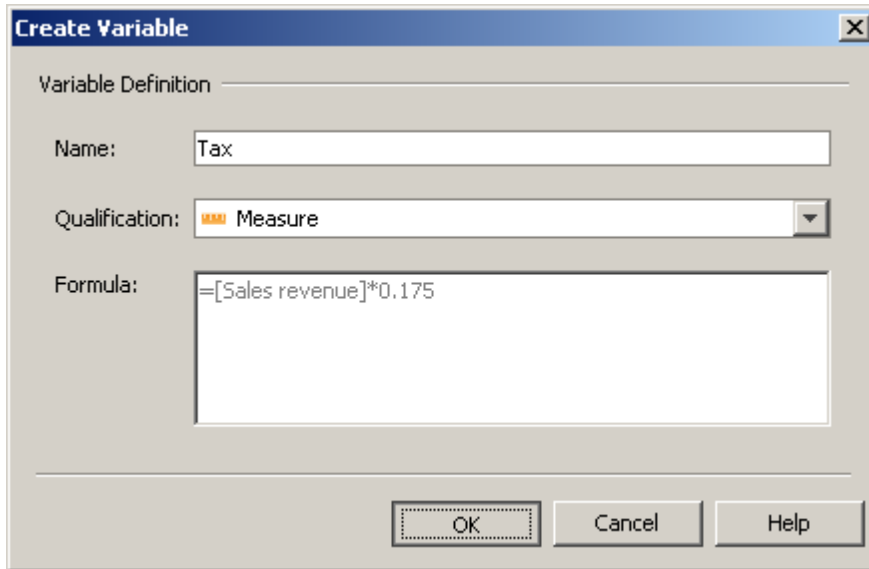
Year	Quarter	Sales revenue	Tax
2006	Q1	\$3,742,989	\$655,023
2006	Q2	\$4,006,718	\$701,176
2006	Q3	\$3,953,395	\$691,844
2006	Q4	\$3,356,041	\$587,307

19. As required, complete/review the following fields:

Field	R/O/C	Description
	R	Example: Tax

Creating a new variable in a report

Create Variable



The 'Create Variable' dialog box is shown. It has a title bar 'Create Variable' with a close button. The 'Variable Definition' section contains three fields: 'Name' with the value 'Tax', 'Qualification' with a dropdown menu showing 'Measure', and 'Formula' with the text '=[Sales revenue]*0.175'. At the bottom are three buttons: 'OK', 'Cancel', and 'Help'.

Variable Definition

Name: Tax

Qualification: Measure

Formula: $\text{=[Sales revenue]*0.175}$

OK Cancel Help

20. Click **OK**.

Sales tax is numeric data, and each time the document is refreshed, the data will be calculated based on numeric data stored in the database.